

REMARKS

This Amendment is being filed in response to the Office Action dated January 29, 2004. For the following reasons, this Application should be considered in condition for allowance and the case passed to issue.

The Examiners in charge of the above-identified Application, Examiner Patel and Examiner Blount, are thanked for the courtesies extended during the course of the interview on March 15, 2004. Although no firm agreement was reached during this interview regarding the allowance of the newly presented claims, Applicants' attorney and Applicants' representative were able to explain the differences between the same and the cited art references. The following remarks reflect and expand upon the discussion of the invention and the art that took place during this interview.

The indication of allowability in the Office Action of claims 1-11 over the prior art is gratefully acknowledged. Only the rejection of claim 3 under 35 U.S.C. §112, first paragraph, and the rejection of claims 1-11 under 35 U.S.C. §112, second paragraph, remain at issue for these claims.

The rejection of claim 3 under 35 U.S.C. §112, first paragraph, has been obviated by the amendments made to claim 3. These amendments find support in the specification at page 17, last paragraph, for example. Accordingly, reconsideration and withdrawal of the rejection of claim 3 under 35 U.S.C. §112, first paragraph, are respectfully requested.

The rejection of claims 1-11 under 35 U.S.C. §112, second paragraph, has been obviated by the amendments made to claims 1, 8 and 11. As discussed at the interview, these claims have been amended to make clear that the pause is for a predetermined time and that registration is resumed when the predetermined time ends. Hence, the rejection of claims 1-11 under 35 U.S.C. §103 112, second paragraph, should be reconsidered and withdrawn.

Since the rejections of claims 1-11 under 35 U.S.C. §112, first paragraph, and second paragraph have been obviated by the amendments made to these claims, these claims should be considered in condition for allowance and such action is courteously solicited.

New claims 12-15 have been added to the Application and claim a mobile station for use in a CDMA mobile communication system. It is respectfully submitted that these new claims patentably define over the references of record.

For example, claim 12 recites a mobile station for use in a CDMA mobile communication system that comprises a receiver which receives a wireless signal transmitted by a sector or a base station. The mobile station includes a CDMA modem connected to the receiver, which performs a despreading demodulation operation of the wireless signal received by the receiver. A controller is provided which controls a pilot synchronization operation including an acquisition of a pilot signal and a registration operation that includes a plurality of access sequences to the sector or the base station when the acquisition of a pilot signal is successful, and turns off the receiver when the mobile station fails in registration to the sector or the base station after the registration operations are performed a predetermined number of times. New claim 15 is similar to claim 12, except provides a controller which controls a pilot synchronization operation including an acquisition of a pilot signal and a registration operation to the sector or the base station and pauses the receiver when a registration failure occurs a predetermined number of times when the acquisition of a pilot signal is successful, wherein a registration failure is a condition in which a plurality of access sequences for registration are performed and the mobile station fails in registration.

As explained during the interview, these claims are directed to a CDMA system. In such CDMA mobile communication systems, the strength of a signal transmitted from a base station

is unstable because a plurality of signals from base stations are sent through one frequency band and the signals interfere with one another. Therefore, it is difficult to determine whether a mobile station is in an incommunication zone.

In the mobile station of the present invention, each registration attempt has a plurality of access sequences. The mobile stations performs a plurality of registration operations that each include a plurality of access sequences to the sector. Claims 12 and 15 make this distinction clear. If the mobile station fails in registration after the plural registration attempts, the mobile station switches to a "sleep" mode in which the receiver is turned off or paused.

Since none of the references cited by the Examiner, either alone or in combination, show or suggest the invention as now claimed, new claims 12-15 should be considered allowable over the art of record and such action is respectfully requested.

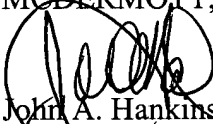
In light of the amendments and remarks above, this Application should be considered in condition for allowance and the case passed to issue. If there are any questions regarding this Amendment or the Application in general, a telephone call to the undersigned would be appreciated to expedite the prosecution of the Application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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